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Title of Invention	METHOD AND SYSTEM FOR DETECTION OF SOLID MATERIALS IN A PLASMA USING AN ELECTROMAGNETIC CIRCUIT																																																																																																																																																																						
<p>Application Number : Confirmation Number: First Named Applicant: Richard Pingree Attorney Docket Number: ATI-0022 Art Unit: Examiner: Search string: (3931587 or 4608869 or 4685802 or 4926120 or 5079507 or 5419176 or 5467188 or 5479254 or 5471357 or 5517161 or 5691642 or 5708209 or 5742234 or 5987972 or 6081329 or 6377345 or 6429935 or 6543459 or 6614215).pn</p>																																																																																																																																																																							
<h3>US Patent Documents</h3> <p>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</p> <table border="1"><thead><tr><th>Init</th><th>Cite.No.</th><th>Patent No.</th><th>Date</th><th>Patentee</th><th>Kind</th><th>Class</th><th>Subclass</th></tr></thead><tbody><tr><td>I.A.</td><td>1</td><td>3931587</td><td>1976-01-06</td><td>Harp et al.</td><td></td><td>331</td><td>56</td></tr><tr><td>I.A.</td><td>2</td><td>4608869</td><td>1986-09-02</td><td>Lerner</td><td></td><td>73</td><td>644</td></tr><tr><td>I.A.</td><td>3</td><td>4685802</td><td>1987-08-11</td><td>Saito et al.</td><td></td><td>356</td><td>339</td></tr><tr><td>I.A.</td><td>4</td><td>4926120</td><td>1990-05-15</td><td>Veronesi et al.</td><td></td><td>325</td><td>204</td></tr><tr><td>I.A.</td><td>5</td><td>5079507</td><td>1992-01-07</td><td>Ishida et al.</td><td></td><td>324</td><td>645</td></tr><tr><td>I.A.</td><td>6</td><td>5419176</td><td>1995-05-03</td><td>Walker</td><td></td><td>73</td><td>12.11</td></tr><tr><td>I.A.</td><td>7</td><td>5467188</td><td>1995-11-14</td><td>Miyashita</td><td></td><td>356</td><td>336</td></tr><tr><td>I.A.</td><td>8</td><td>5479254</td><td>1995-12-26</td><td>Woskov et al.</td><td></td><td>356</td><td>316</td></tr><tr><td>I.A.</td><td>9</td><td>5471357</td><td>1996-01-02</td><td>Ahsan et al.</td><td></td><td>356</td><td>338</td></tr><tr><td>I.A.</td><td>10</td><td>5517161</td><td>1996-05-14</td><td>Andersson et al.</td><td></td><td>333</td><td>202</td></tr><tr><td>I.A.</td><td>11</td><td>5691642</td><td>1997-11-25</td><td>Dobkin</td><td></td><td>324</td><td>464</td></tr><tr><td>I.A.</td><td>12</td><td>5708209</td><td>1998-01-13</td><td>Stiffler et al.</td><td></td><td>73</td><td>644</td></tr><tr><td>I.A.</td><td>13</td><td>5742234</td><td>1998-04-21</td><td>Owen</td><td></td><td>340</td><td>631</td></tr><tr><td>I.A.</td><td>14</td><td>5987972</td><td>1999-11-26</td><td>Hirota et al.</td><td></td><td>73</td><td>61.75</td></tr><tr><td>I.A.</td><td>15</td><td>6081329</td><td>2000-06-27</td><td>Cohn et al.</td><td></td><td>356</td><td>316</td></tr><tr><td>I.A.</td><td>16</td><td>6377345</td><td>2002-04-23</td><td>Powell</td><td>B1</td><td>356</td><td>336</td></tr><tr><td>I.A.</td><td>17</td><td>6429935</td><td>2002-08-06</td><td>Duan</td><td>B1</td><td>356</td><td>316</td></tr><tr><td>I.A.</td><td>18</td><td>6543459</td><td>2003-04-08</td><td>Annapragada</td><td>B1</td><td>134</td><td>1.1</td></tr><tr><td>I.A.</td><td>19</td><td>6614215</td><td>2003-09-02</td><td>Wood</td><td>B1</td><td>324</td><td>76.36</td></tr></tbody></table>								Init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass	I.A.	1	3931587	1976-01-06	Harp et al.		331	56	I.A.	2	4608869	1986-09-02	Lerner		73	644	I.A.	3	4685802	1987-08-11	Saito et al.		356	339	I.A.	4	4926120	1990-05-15	Veronesi et al.		325	204	I.A.	5	5079507	1992-01-07	Ishida et al.		324	645	I.A.	6	5419176	1995-05-03	Walker		73	12.11	I.A.	7	5467188	1995-11-14	Miyashita		356	336	I.A.	8	5479254	1995-12-26	Woskov et al.		356	316	I.A.	9	5471357	1996-01-02	Ahsan et al.		356	338	I.A.	10	5517161	1996-05-14	Andersson et al.		333	202	I.A.	11	5691642	1997-11-25	Dobkin		324	464	I.A.	12	5708209	1998-01-13	Stiffler et al.		73	644	I.A.	13	5742234	1998-04-21	Owen		340	631	I.A.	14	5987972	1999-11-26	Hirota et al.		73	61.75	I.A.	15	6081329	2000-06-27	Cohn et al.		356	316	I.A.	16	6377345	2002-04-23	Powell	B1	356	336	I.A.	17	6429935	2002-08-06	Duan	B1	356	316	I.A.	18	6543459	2003-04-08	Annapragada	B1	134	1.1	I.A.	19	6614215	2003-09-02	Wood	B1	324	76.36
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Examiner Name	Date
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